

(19)

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(11)

EP 1 011 235 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
02.05.2002 Bulletin 2002/18

(51) Int Cl.⁷: **H04L 27/26**, **H04B 3/54**

(43) Date of publication A2:
21.06.2000 Bulletin 2000/25

(21) Application number: **99307702.3**

(22) Date of filing: **29.09.1999**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

(72) Inventor: **Greenwood, John Christopher**
East Tytherton, Wiltshire SN15 4LX (GB)

(74) Representative: **Bewley, Ewan Stuart et al**
Nortel Networks
Intellectual Property Law Group
London Road
Harlow, Essex CM17 9NA (GB)

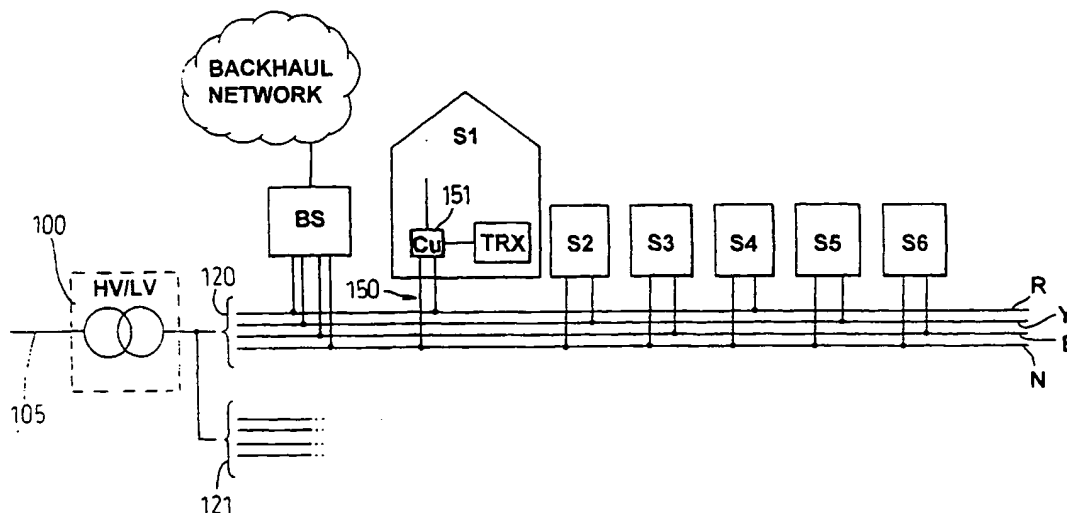
(30) Priority: **15.12.1998 GB 9827601**

(71) Applicant: **Nortel Networks Limited**
Montreal, Quebec H2Y 3Y4 (CA)

(54) Reception of multicarrier signals over power lines

(57) An Orthogonal Frequency Division Multiplexed (OFDM) power line communications system comprising a power line for distributing electricity to a plurality of premises and a communication station coupled to the power line at one of the premises, which station uses a

part of the power line external to the premises as a communications medium. The communications station includes a receiver which comprises a clipping system adapted to clip an incoming OFDM data waveform, which includes a regular impulsive noise component, so as to reduce the level of noise on the waveform.

*Fig. 3***EP 1 011 235 A3**



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EUROPEAN SEARCH REPORT

Application Number
EP 99 30 7702

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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H04L H04B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11 March 2002	Examiner Scriven, P
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03-02 (P4/C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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